

## Chemical and Environmental Management Resource Optimization

### Rationale:

- Reducing business scope (facility sold to a new owner)
- New limitations on staff, space and spending

### Methodology:

- Re-construct operations into a completely new methodology
- Set limits on staff, space and spending
- Build a plan to meet requirements within the limits

### Solution:

- Consolidate Chemical, Environmental, Health and Safety, Industrial Hygiene into one department. Include responsibility for all operations and engineering.
- Rely heavily on Information Management Systems (audits, procedures, MSDS, etc.)

### Chemical and Environmental Management Resource Optimization

<b>Activity</b>	<b>Prior Method</b>	<b>Current Method</b>	<b>Benefits and Concerns</b>
Scope	Two Semiconductor Facilities and Light Manufacturing	One Semiconductor Facility and Light Manufacturing	Remaining mfg is 20% of prior scope
Total Facility Size	1,650,000 Square Feet	1,100,000 Square Feet	Several buildings sold but added four small facilities in other states (NY, CA, FL).
Basis for Chemical Purchases	Support staff estimate based on prior use with buffer to ensure 100% availability	Order as needed based on prior week consumption and lead time for specialty items	No extra chemicals ordered. Virtually eliminated waste caused by expired shelf life and unused chemical waste.
Contract with Supply	Multi-year agreements	Multi-year agreements with delivery and availability addressed	Supplier more of a partner. Minimal inventory storage shifted to supplier
Hazardous Waste	RCRA Part B Permit	Large quantity generator	Went to pick up by vendor on a schedule. Minor increased unit cost, significant savings by eliminating permit requirements.
Chemical Storage	64,000 Square Feet	1,200 Square Feet	Significant cost savings but minimal room for future grow
Staffing	64	17	Reduced work scope and elimination of unneeded work. No backup support.
Departments	5	1	Consolidated engineering, operations, chemical, health, safety, environmental, industrial hygiene.